

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016649

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G11B20/10, 20/14, 20/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> G11B20/10-20/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | JP 2003-109318 A (Canon Inc.),<br>11 April, 2003 (11.04.03),<br>Par Nos. [0077] to [0081], [0103] to [0112];<br>Figs. 3, 8, 9<br>(Family: none)   | 1-8                   |
| Y         | JP 7-320419 A (Toshiba Corp.),<br>08 December, 1995 (08.12.95),<br>Par Nos. [0022] to [0025], [0036] to [0038];<br>Figs. 1, 6<br>(Family: none)   | 1-8                   |
| Y         | JP 2003-272307 A (Toshiba Corp.),<br>26 September, 2003 (26.09.03),<br>Par Nos. [0041], [0042], [0056] to [0060];<br>Figs. 3, 4<br>(Family: none) | 1-8                   |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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|---|--|
| * Special categories of cited documents:  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
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| "O" document referring to an oral disclosure, use, exhibition or other means  |  |
| "P" document published prior to the international filing date but later than the priority date claimed  |  |

Date of the actual completion of the international search  
21 December, 2004 (21.12.04)

Date of mailing of the international search report  
11 January, 2005 (11.01.05)

Name and mailing address of the ISA/  
Japanese Patent Office

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2004/016649

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | JP 5-258475 A (Mitsubishi Electric Corp.),<br>08 October, 1993 (08.10.93),<br>Par Nos. [0032] to [0033]; Figs. 2, 6, 7, 10<br>(Family: none)        | 4                     |
| Y         | JP 10-255409 A (Sony Corp.),<br>25 September, 1998 (25.09.98),<br>Par Nos. [0050] to [0072], [0080] to [0092];<br>Figs. 1, 7 to 9<br>(Family: none) | 5                     |